

# Annodex : Browser Plugins

- Project aim:
  - To complete end-to-end infrastructure for Annodex annotations in Ogg container
  - Provide web interface by developing of open-source Mozilla and IE Ogg Theora and Annodex plugin
- Features in plugin:
  - Ogg and Annodex files video playback
  - Unique Javascript API callback mechanism on Annodex annotations during playback
  - Initial cross-platform implementation of Sydney Audio



# Annodex Browser Plugins: Challenges

- Support only for Mozilla Firefox browser
- No support of HTTP ranges in mod\_annodex (seeking only in downloaded data)
- Poor quality playback over wireless and lossy long distance links (no pre-buffering in plugin – design choice)

# Annodex Browser Plugins: Dependencies

- Plugin currently uses following Xiph.org/Annodex libraries: **liboggplay, libogg, libtheora, libvorbis, libspeex, liboggz, libfishsound**
- Requires Mozilla Gecko SDK 1.7 (Firefox 1.0) or 1.8 (Firefox 1.5 and 2.0)
- Supported Platforms: Linux, Win32, MacOSX



# Annodex Browser Plugins: Next Steps

- Outstanding features
  - MS IE implementation for Win32
  - Required porting to latest Sydney Audio API for Linux implementation (possibly MacOSX and Win32)
  - Annodex Web Interface
  - and many, many more...
- “Nice to have”s
  - Implementation of Theora/Vorbis over RTP or IP and support in the plugins

